

Curriculum Vitae - Matthew Peter Wells
www.matthewwells.org.uk

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Matthew is an accomplished object-oriented software specialist, keen to maintain his skills base at the cutting edge of software technology. He has proven himself to be capable of flourishing on the steep learning curves of the software industry and aims to maintain his reputation as an innovative thinker and incisive problem solver.

Current Enthusiasms

Web 2.0 Concepts, J2EE, AJAX, refactoring, test driven development, patterns, XML, use of metadata to achieve flexible software solutions, lightweight methodologies (XP).

Professional Qualifications

Sun Certified Programmer for Java 2 Platform (86%) – Jan 2002

MA (Cantab.) - Christ's College, Cambridge. 1994.

BA (Cantab.) - Christ's College, Cambridge. 1989.

Electrical and Information Sciences (Hons - 2:1)

Member of the Institution of Electrical Engineers, **MIEE**.

Chartered Engineer (417977).

Primary Skills

Strong skills applicable across the full object-oriented software lifecycle including requirements capture, analysis, design, implementation and test. These skills are based on extensive experience in a wide variety of object-oriented software development projects ranging from fully distributed enterprise software architectures to real-time embedded systems.

- Enterprise application development – J2EE (4 years), JSP, servlets, Struts, EJB.
- Object-oriented software development – Java (8 years), C++ (4 years), C, Perl, Delphi.
- Object-oriented analysis and design – UML, patterns, RUP.
- Leadership, coaching and mentoring.
- Excellent interpersonal and presentation skills developed through client contact.

Supporting Skills

A broad base of supporting skills, including:

- Database (Oracle, SQL, JDBC)
- Distributed middleware (SOAP, JAX-RPC, RMI, CORBA)
- Web technologies (HTML, XML, JAXB)
- OS (Windows, UNIX, Linux)
- CASE tools (JDeveloper, Rose, Artisan)
- Configuration control (Subversion, Clearcase, Sourcesafe, Perforce, PVCS)

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Professional Training

Oracle 2006 – OracleAS 10g Build Web Services (2 days)
Oracle 2004 - OracleAS 10g Building J2EE Applications (5 days)
Blueprint Technologies 2000 - Component-Oriented Software Engineering (1 day)
Object Partners 2000 - O-O Project Management (2 days)
QA Training '97 - O-O Analysis & Design using the Unified Modelling Language (5 days)

Secondary Education

GCE A-Level (4) - Maths (A), Physics (A-Merit), Chemistry (B), Further Maths (C).
GCE O-Level (11 at Grade A)

Career History

Jun '04 – present. **Java Enterprise Architect.** Local Oracle ISV.
Leading the company's expansion from traditional Oracle forms development into Java Enterprise technologies (J2EE, Oracle ADF, JSF, Struts, JSP, Oracle Portal, OracleAS 10g). Currently leading design and development of a metadata-driven, XML-based Data Exchange Framework. Led design and development of new Self Service web application from proof of concept to commercial deployment. Overseeing cross training and mentoring of Oracle Developers to Java technologies. Pioneering partnership with Offshore Development Centre in Hanoi, Vietnam.

Aug '00 – Apr '04. **Chief System Architect.** Radiant Networks, Camb.
Lead developer for Network Planning and Management Systems (Java, RMI, CORBA, Oracle) for Radiant's innovative mesh technology. Promoted modular design, code reuse, refactoring and unit testing. Promoted to Chief System Architect responsible for system design of Radiant's MeshWorks™ product. Special responsibility for all aspects of software architecture. Pioneered the re-architecting of the Management software for scalability onto the J2EE platform. New architecture never deployed due to company insolvency.

Nov '99 - Aug '00. **Senior Member Technical Staff.** Hughes Network Systems.
11717 Exploration Lane, Germantown, MD 20876, U.S.A.
Requirements capture, analysis and design (UML, RUP) at system & subsystem level of the Network Operational Control Center for the Spaceway™ broadband satellite data communications network. Senior design role for the Satellite Terminal Element Management Subsystem (Java, Oracle, CORBA, Solaris).
Promoted best practice in object-oriented analysis and design techniques at the system level.

Nov '98 - Oct '99. **Consultant.** The Technology Partnership (TTP).
Melbourn Science Park, Royston, Herts.
Clean sheet design (UML) of Ace™, a distributed software system to support the design and execution of automated chemistry processes to aid drug discovery in the pharmaceutical industry (Delphi, DCOM, NT). Successfully managed delivery of first milestone to multinational client.

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April '96 - Oct '98. **Senior Software Engineer.** Ionica. Cambridge.
Senior Software Engineer on Ionica's Network Performance Management System.
Applying web technology and a client/server approach to the data warehousing and integration of event and call data (Perl, Oracle, Solaris).
Previously Software Team Leader and Project Design Authority for the AirSide Element Manager (ASEM) embedded application (C++, VRTX).
Represented Ionica's interests within the change management forum necessary to control the joint development of the FRA technology between Ionica and Nortel (Proximity I).
Promoted the use of object-oriented techniques throughout the project.

May '94 - March '96. **Design Engineer.** Psilogic Ltd. Bracknell.
Design Engineer in a small electronics design consultancy specialising in advanced computer solutions. Responsible for specification, design and implementation of modules of system software for a high performance parallel computer system designed for artificial intelligence applications.

Sept. '92 - Apr. '94. **Engineer.** Joint Medical Store. Kampala, Uganda.
Responsible for design and implementation of a PC based invoicing and stock control system at the national central drug store. Key member of team responsible for the installation and repair of all mission hospital equipment nationally. Responsible for centralised training courses attended by all mission hospital technicians nationally. Positioned via Church Missionary Society. London.

Oct. '89 - Aug. '92. **HPTO.** SERC. Daresbury Laboratory. Warrington.
Higher Professional Technology Officer responsible for design, commissioning and implementation of electronic instrumentation solutions in the field of high speed X-ray imaging.
Extensive IEE approved training across all departments.

Personal Details

Date of Birth: 12th April 1967.
Nationality: British.
Marital Status: Married, 2 daughters.
Driving Licence: Full and current.

Other Activities and Responsibilities.

FA Level 1 Football Coach – Bottisham U12 Girls. 2006-Present.
Leader - Tear Fund Task Force Team, Tanzania, 1991.
Leader - Tear Fund Task Force Team, Bolivia, 1990.
Leader - Tear Fund Task Force Team, Kenya, 1989.
Secretary - Cambridge University Underwater Exploration Group. 1987 - 88.
Deputy Leader - Sinai Coastal Reef Survey, 1988.
Deputy Head Boy - Boston Grammar School, 1984 - 85.